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Declaration Patent for the Invention of Device for Pulling Halyard

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DISCLAIMER

This work was performed under the auspices of the U. S. Department of Energy by the University of California, Lawrence Livermore National Laboratory under Contract No. W-7405-Eng-48.

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Declaration patent for the invention

Is registered according to the Law of Ukraine
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(54) Device for pulling halyard

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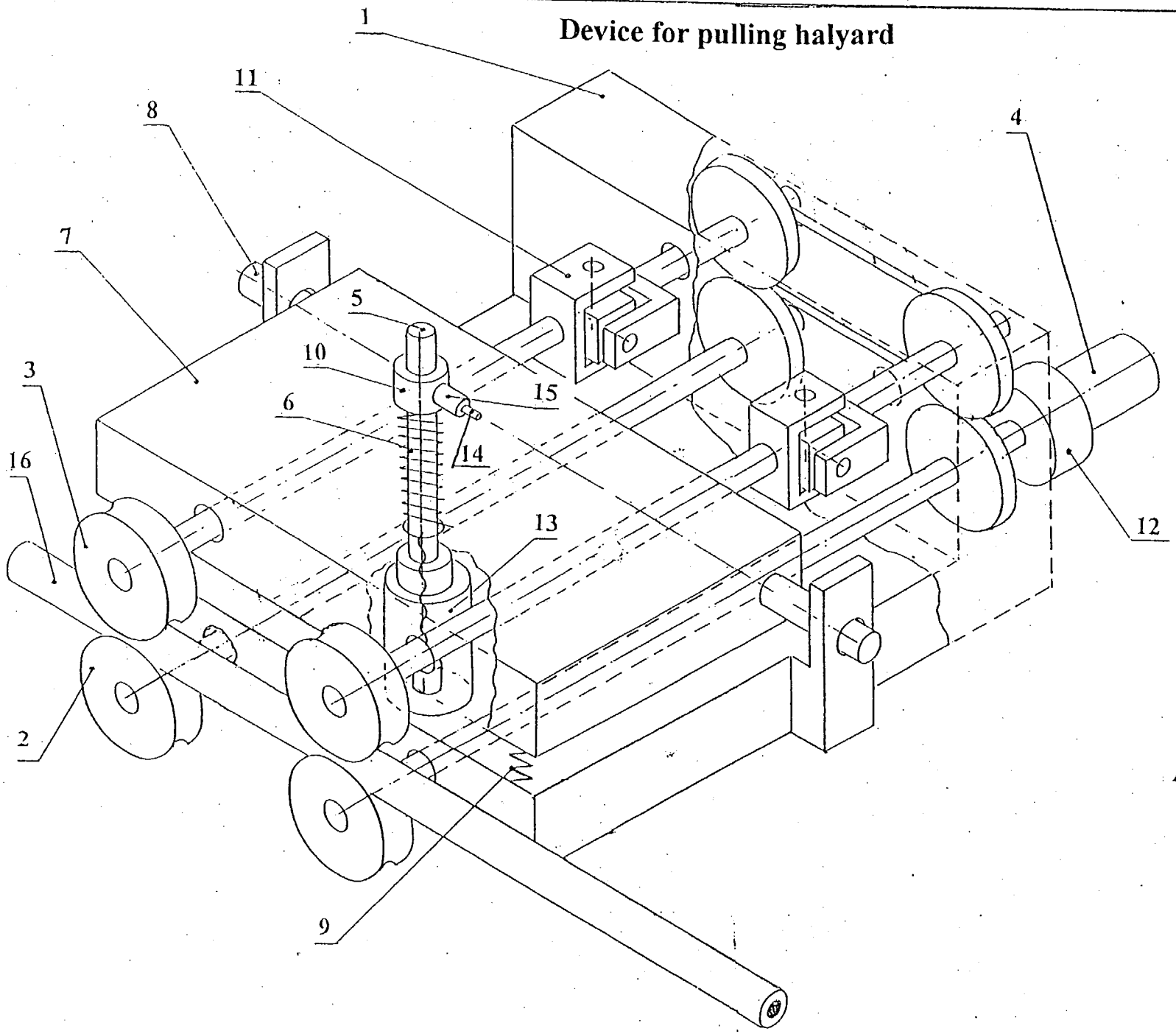
The device for the halyard stretching consists of a frame with coupler and clamping rollers mounted in pairs on it, the drive of the rotation of the coupler rollers and the clamping device with a clamping spring. The clamping device is remarkable that the clamping rollers are mounted in a separate movable bracket, which is connected with the frame with the help of a hinge. Between the frame and the movable bracket a releasing spring is inserted. The clamping device is equipped with a movable holder to clamp rollers kinematically connected with the coupler ones with the aid of cardan joints. It assures rotations of the movable bracket over the frame and synchronous rotation of the coupler and clamping rollers in different directions. All rollers are connected with the drive of rotation via an electro magnet sleeve. A linear drive of spring pressing is mounted between the movable bracket and the clamping spring. A nip of the releasing spring is connected with the electromagnet rotor.

Device for pulling halyard



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